

TITLE APPL Trial 81 Determine Dye and H₂O₂

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Levels to Achieve Target L and b Values

EXHIBIT A

APPL Trial T-81

Project Manager: Scott Stephens (NGCF - New Generation Curly Fibers)
 Project Number: 00050 W532 615 874 731 142-4513

Objectives:

- Attempt to overcome dye-caused L loss by post-treatment with alkaline hydrogen peroxide.
- Determine combinations of low dye levels and peroxide that will simultaneously achieve target L and b values.
- Produce samples for customer evaluation

Safety:

- Review MSDS's for all chemicals.
- Use proper personnel protective gear when handling the 50% hydrogen peroxide solution - goggles, face shield and rubber gloves. Other staff are to remain clear of this working area.
- Handle post-treatment solutions with care - prior to hydrogen peroxide addition, pH will be greater than 11.
- Use normal safety precautions related to working around the APPL area during its operation.

Run Conditions:

Pulp	CF416
Pulp Linear Feed rate	60 fpm
Cross-linking Chemistry	CS-10
Impregnation Solution	See Run Matrices
Impregnation Solution pH	Adjust to pH between 2-2.1
Target Hammermill Feed Consistency	61%
Target Citric Acid on BDCF Pulp	7.616%
Target SHP (SHP.H ₂ O Basis) on BDCF Pulp	0.683 %
Dye Types Evaluated	Pergasol Blue PTD
	Pergasol Blue NLF
	See Run Matrix
Dye Addition Rate	44.7 % of scale
Impregnation Solution Rotameter Setting	360 °F
Nominal Cure Temperature	5 minutes
Nominal Cure Time	8-9%
Target Product Moisture	See Run Matrix
Remoisturization Solutions	60% of scale reading (Water Pressure - 20 psi with air pressure
Remoisturization Rotameter Setting	adjusted to achieve this setting, approximately 27-28 psi.)

Samples:

Pulp Feed Rolls: 2 samples per roll
 Hammermill Feed: 3 samples per run condition
 Baler Feed: 5 samples at steady state operation at least 2 minutes apart for each condition

In addition to the material bagged for analysis, collect and bag at least 1 kg of material at each condition for possible use as customer samples. Place samples in a black plastic bags for storage.

Sample Analyzes:

Pulp Feed Rolls: Moisture
 Hammermill Feed: Moisture
 Baler Feed: Moisture, Brightness, Hunter and CIE Color (0 & 14 days), 5K and odor

- Baler Feed 5K, brightness and color samples will be placed in 13" x 18" bags. (These sample bags must not be exposed to light for any long term duration. Place all sample bags in a black plastic bag and store in the black plastic bag.)
- Pulp Feed Rolls, Hammermill Feed and Baler Feed moisture samples will be placed in 9x12 inch sample bags. Baler Feed moisture samples will e also used of odor determination.

Planning Summary T-081

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EXHIBIT B

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Run Matrix						
Run ID	Impregnation Solution Dye Type	Dye Loading oz./ADMT	Post-Treatment Targets		Post-Treatment Recipes	
			NaOH lbs./ADMT	Hydrogen Peroxide lbs./ADMT	Solution Recipes (per 22.7 lbs. of DI Water)	
					lbs. NaOH	mls H ₂ O ₂
A (Control)	No dye	0	0	0	0.000	0.0
B (Control)	No dye	0	2	1	0.362	138.1
C (Control)	No dye	0	2	2	0.384	278.3
D (Control)	No dye	0	2	5	0.373	713.0
E	Blue PTD	1	0	0	0.359	0.0
F	Blue PTD	1	2	1	0.362	138.1
G	Blue PTD	1	2	2	0.384	278.3
H	Blue PTD	1	2	5	0.373	713.0
I	Blue PTD	2	0	0	0.000	0.0
J	Blue PTD	2	2	1	0.362	138.1
K	Blue PTD	2	2	2	0.384	278.3
L	Blue PTD	2	2	5	0.373	713.0
M (Control)	No dye	0	0	0	0.000	0.0
N (Control)	No dye	0	2	1	0.362	138.1
O (Control)	No dye	0	2	2	0.384	278.3
P (Control)	No dye	0	2	5	0.373	713.0
Q	Blue NLF	1	0	0	0.359	0.0
R	Blue NLF	1	2	1	0.362	138.1
S	Blue NLF	1	2	2	0.384	278.3
T	Blue NLF	1	2	5	0.373	713.0
U	Blue NLF	2	0	0	0.000	0.0
V	Blue NLF	2	2	1	0.362	138.1
W	Blue NLF	2	2	2	0.384	278.3
X	Blue NLF	2	2	5	0.373	713.0

NOTES:

- DI water is to be used for post-treatment solution make-up
- Add the peroxide to the water just prior to dumping into the remoisturization tank to keep the peroxide as active as possible.

Impregnation Solution Recipes			
Dye Addition Rate	0	1	2
Solution Make-up Contingency Factor	52.0	52.6	52.6
Target Solution Component Weight in Pounds (Dye in grams)			
Citric Acid (as-received), lbs.	40.30	40.30	40.30
SHP (as-received), lbs.	3.61	3.61	3.61
Caustic (as-received), lbs.	0.96	0.96	0.96
Dye (Neat), grams	0.000	8.218	16.436
Water, lbs.	333.20	333.20	333.20
Total, lbs.	378.07	378.07	378.07
Volume of Water, gallons	40.0	40.0	40.0
Impregnation Solution Specific Gravity	1.05	1.05	1.05
Volume of Impregnation Solution, gallons	43.2	43.2	43.2

pH adjust all Cross-linking chemical solutions to 2-2.1

Discharge no chemical solutions until pH is adjusted to between 5 and 9. Record approximate quantity discharged and measured pH in the APPL Daily Log Book.

Planning Summary T-081

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Kathy Weld

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EXHIBIT C

Test Results

Absorbent Products Pilot Line - Trial # 81

Line	Code	7.816	0.883	44.7	None	0.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.55	60.30	93.30	0.134
1	A-1	7.816	0.883	44.7	None	0.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.55	60.30	90.20	0.138
2	A-2	7.816	0.883	44.7	None	0.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.55	60.30	93.03	0.152
3	A-3	7.816	0.883	44.7	None	0.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.55	60.30	92.73	0.159
4	A-4	7.816	0.883	44.7	None	0.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.55	60.30	92.63	0.139
5	A-5	7.816	0.883	44.7	None	0.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.55	60.23	93.73	0.149
6	B-1	7.816	0.883	44.7	None	0.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	92.55	60.23	93.63	0.181
7	B-2	7.816	0.883	44.7	None	0.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	92.55	60.23	93.60	0.159
8	B-3	7.816	0.883	44.7	None	0.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	92.55	60.23	93.53	0.151
9	B-4	7.816	0.883	44.7	None	0.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	92.55	60.23	94.30	0.149
10	B-5	7.816	0.883	44.7	None	0.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	92.55	59.06	93.10	0.154
11	C-1	7.816	0.883	44.7	None	0.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	92.34	59.06	91.78	0.152
12	C-2	7.816	0.883	44.7	None	0.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	92.34	59.06	93.53	0.142
13	C-3	7.816	0.883	44.7	None	0.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	92.34	59.06	96.87	0.152
14	C-4	7.816	0.883	44.7	None	0.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	92.34	59.06	95.10	0.159
15	C-5	7.816	0.883	44.7	None	0.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	92.34	60.06	92.40	0.180
16	D-1	7.816	0.883	44.7	None	0.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	92.34	60.06	90.10	0.148
17	D-2	7.816	0.883	44.7	None	0.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	92.34	60.06	93.57	0.141
18	D-3	7.816	0.883	44.7	None	0.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	92.34	60.06	93.20	0.158
19	D-4	7.816	0.883	44.7	None	0.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	92.34	60.06	93.87	0.150
20	D-5	7.816	0.883	44.7	None	0.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	92.34	59.87	93.57	0.138
21	E-1	7.816	0.883	44.7	Blue PTD	1.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.34	59.87	94.37	0.132
22	E-2	7.816	0.883	44.7	Blue PTD	1.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.34	59.87	94.20	0.157
23	E-3	7.816	0.883	44.7	Blue PTD	1.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.34	59.87	94.67	0.130
24	E-4	7.816	0.883	44.7	Blue PTD	1.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.34	59.87	95.07	0.137
25	E-5	7.816	0.883	44.7	Blue PTD	1.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.34	59.87	91.57	0.137
26	F-1	7.816	0.883	44.7	Blue PTD	1.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.41	94.10	0.129
27	F-2	7.816	0.883	44.7	Blue PTD	1.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.41	94.00	0.128
28	F-3	7.816	0.883	44.7	Blue PTD	1.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.41	96.00	0.167
29	F-4	7.816	0.883	44.7	Blue PTD	1.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.41	93.88	0.148
30	F-5	7.816	0.883	44.7	Blue PTD	1.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.41	91.57	0.137
31	G-1	7.816	0.883	44.7	Blue PTD	1.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.82	91.30	0.152
32	G-2	7.816	0.883	44.7	Blue PTD	1.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.82	91.83	0.180
33	G-3	7.816	0.883	44.7	Blue PTD	1.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.82	91.50	0.154
34	G-4	7.816	0.883	44.7	Blue PTD	1.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.82	90.47	0.176
35	G-5	7.816	0.883	44.7	Blue PTD	1.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.82	92.77	0.150
36	H-1	7.816	0.883	44.7	Blue PTD	1.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.87	94.28	0.186
37	H-2	7.816	0.883	44.7	Blue PTD	1.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.87	90.58	0.181
38	H-3	7.816	0.883	44.7	Blue PTD	1.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.87	90.38	0.189
39	H-4	7.816	0.883	44.7	Blue PTD	1.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.87	91.07	0.156
40	H-5	7.816	0.883	44.7	Blue PTD	1.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	91.70	59.87	91.87	0.170
41	I-1	7.816	0.883	44.7	Blue PTD	2.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.42	59.58	93.50	0.207
42	I-2	7.816	0.883	44.7	Blue PTD	2.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.42	59.58	92.33	0.158
43	I-3	7.816	0.883	44.7	Blue PTD	2.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.42	59.58	94.47	0.168
44	I-4	7.816	0.883	44.7	Blue PTD	2.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.42	59.58	94.17	0.147
45	I-5	7.816	0.883	44.7	Blue PTD	2.0	0.0	0.0	0.0	CF418	4	60	18493	0.095	60	360	5	92.42	59.58	94.13	0.151
46	J-1	7.816	0.883	44.7	Blue PTD	2.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	92.42	60.24	92.40	0.146
47	J-2	7.816	0.883	44.7	Blue PTD	2.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	92.42	60.24	94.00	0.143
48	J-3	7.816	0.883	44.7	Blue PTD	2.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	92.42	60.24	94.93	0.137
49	J-4	7.816	0.883	44.7	Blue PTD	2.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	92.42	60.24	95.30	0.142
50	J-5	7.816	0.883	44.7	Blue PTD	2.0	2.0	1.0	1.0	CF418	4	60	18493	0.095	60	360	5	92.42	60.24	94.03	0.134
51	K-1	7.816	0.883	44.7	Blue PTD	2.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	92.40	60.41	92.63	0.134
52	K-2	7.816	0.883	44.7	Blue PTD	2.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	92.40	60.41	94.40	0.124
53	K-3	7.816	0.883	44.7	Blue PTD	2.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	92.40	60.41	93.87	0.138
54	K-4	7.816	0.883	44.7	Blue PTD	2.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	92.40	60.41	92.97	0.129
55	K-5	7.816	0.883	44.7	Blue PTD	2.0	2.0	2.0	2.0	CF418	4	60	18493	0.095	60	360	5	92.40	60.41	90.53	0.129
56	L-1	7.816	0.883	44.7	Blue PTD	2.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	92.40	60.38	91.57	0.123
57	L-2	7.816	0.883	44.7	Blue PTD	2.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	92.40	60.38	92.43	0.129
58	L-3	7.816	0.883	44.7	Blue PTD	2.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	92.40	60.38	89.97	0.130
59	L-4	7.816	0.883	44.7	Blue PTD	2.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	92.40	60.38	90.87	0.143
60	L-5	7.816	0.883	44.7	Blue PTD	2.0	2.0	5.0	5.0	CF418	4	60	18493	0.095	60	360	5	92.40	60.38	89.30	0.135

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EXHIBIT D

Test Results

Absorbent Products Pilot Line - Trial # 81

Item	Product	Weight	Volume	Area	Height	Length	Width	Depth	Material	CF418	4	60	16493	0.095	60	360	5	91.21	61.00	95.00	0.165
61	M-1	7.816	0.683	44.7	None	0.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.21	61.00	95.00	0.165	
62	M-2	7.816	0.683	44.7	None	0.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.21	61.00	93.03	0.150	
63	M-3	7.816	0.683	44.7	None	0.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.21	61.00	93.60	0.148	
64	M-4	7.816	0.683	44.7	None	0.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.21	61.00	94.10	0.162	
65	M-5	7.816	0.683	44.7	None	0.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.21	61.00	90.87	0.150	
66	N-1	7.816	0.683	44.7	None	0.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.21	60.69	92.87	0.143	
67	N-2	7.816	0.683	44.7	None	0.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.21	60.69	93.97	0.158	
68	N-3	7.816	0.683	44.7	None	0.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.21	60.69	92.50	0.148	
69	N-4	7.816	0.683	44.7	None	0.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.21	60.69	95.40	0.143	
70	N-5	7.816	0.683	44.7	None	0.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.21	60.69	90.27	0.137	
71	Q-1	7.816	0.683	44.7	None	0.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.31	59.69	94.37	0.157	
72	Q-2	7.816	0.683	44.7	None	0.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.31	59.69	93.60	0.155	
73	Q-3	7.816	0.683	44.7	None	0.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.31	59.69	93.80	0.158	
74	Q-4	7.816	0.683	44.7	None	0.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.31	59.69	94.93	0.137	
75	Q-5	7.816	0.683	44.7	None	0.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.31	60.58	93.57	0.143	
76	P-1	7.816	0.683	44.7	None	0.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.31	60.58	94.93	0.148	
77	P-2	7.816	0.683	44.7	None	0.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.31	60.58	93.50	0.157	
78	P-3	7.816	0.683	44.7	None	0.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.31	60.58	95.13	0.152	
79	P-4	7.816	0.683	44.7	None	0.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.31	60.58	93.63	0.155	
80	P-5	7.816	0.683	44.7	None	0.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.31	60.29	92.77	0.141	
81	Q-1	7.816	0.683	44.7	Blue NLF	1.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.31	60.29	91.07	0.140	
82	Q-2	7.816	0.683	44.7	Blue NLF	1.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.31	60.29	91.50	0.145	
83	Q-3	7.816	0.683	44.7	Blue NLF	1.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.31	60.29	91.33	0.138	
84	Q-4	7.816	0.683	44.7	Blue NLF	1.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.31	60.29	90.00	0.135	
85	Q-5	7.816	0.683	44.7	Blue NLF	1.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.06	92.17	0.135	
86	R-1	7.816	0.683	44.7	Blue NLF	1.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.06	94.20	0.139	
87	R-2	7.816	0.683	44.7	Blue NLF	1.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.06	93.23	0.180	
88	R-3	7.816	0.683	44.7	Blue NLF	1.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.06	92.63	0.138	
89	R-4	7.816	0.683	44.7	Blue NLF	1.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.06	92.43	0.137	
90	R-5	7.816	0.683	44.7	Blue NLF	1.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.78	93.10	0.153	
91	S-1	7.816	0.683	44.7	Blue NLF	1.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.78	96.27	0.145	
92	S-2	7.816	0.683	44.7	Blue NLF	1.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.78	94.37	0.155	
93	S-3	7.816	0.683	44.7	Blue NLF	1.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.78	93.03	0.140	
94	S-4	7.816	0.683	44.7	Blue NLF	1.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.78	95.63	0.153	
95	S-5	7.816	0.683	44.7	Blue NLF	1.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.51	93.53	0.155	
96	T-1	7.816	0.683	44.7	Blue NLF	1.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.51	92.80	0.180	
97	T-2	7.816	0.683	44.7	Blue NLF	1.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.51	93.00	0.148	
98	T-3	7.816	0.683	44.7	Blue NLF	1.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.51	92.03	0.152	
99	T-4	7.816	0.683	44.7	Blue NLF	1.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.19	60.51	92.47	0.148	
100	T-5	7.816	0.683	44.7	Blue NLF	1.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.78	92.17	0.148	
101	U-1	7.816	0.683	44.7	Blue NLF	2.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.78	94.60	0.140	
102	U-2	7.816	0.683	44.7	Blue NLF	2.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.78	93.67	0.136	
103	U-3	7.816	0.683	44.7	Blue NLF	2.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.78	92.27	0.137	
104	U-4	7.816	0.683	44.7	Blue NLF	2.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.78	93.77	0.180	
105	U-5	7.816	0.683	44.7	Blue NLF	2.0	0.0	0.0	CF418	4	60	16493	0.095	60	360	5	91.44	60.33	92.50	0.180	
106	V-1	7.816	0.683	44.7	Blue NLF	2.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.44	60.33	94.43	0.150	
107	V-2	7.816	0.683	44.7	Blue NLF	2.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.44	60.33	94.37	0.182	
108	V-3	7.816	0.683	44.7	Blue NLF	2.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.44	60.33	95.67	0.149	
109	V-4	7.816	0.683	44.7	Blue NLF	2.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.44	60.33	93.63	0.146	
110	V-5	7.816	0.683	44.7	Blue NLF	2.0	2.0	1.0	CF418	4	60	16493	0.095	60	360	5	91.44	60.05	94.43	0.189	
111	W-1	7.816	0.683	44.7	Blue NLF	2.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.44	60.05	93.00	0.154	
112	W-2	7.816	0.683	44.7	Blue NLF	2.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.44	60.05	92.40	0.159	
113	W-3	7.816	0.683	44.7	Blue NLF	2.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.44	60.05	95.60	0.154	
114	W-4	7.816	0.683	44.7	Blue NLF	2.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.44	60.05	95.37	0.145	
115	W-5	7.816	0.683	44.7	Blue NLF	2.0	2.0	2.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.99	96.13	0.163	
116	X-1	7.816	0.683	44.7	Blue NLF	2.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.99	93.13	0.179	
117	X-2	7.816	0.683	44.7	Blue NLF	2.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.99	91.23	0.194	
118	X-3	7.816	0.683	44.7	Blue NLF	2.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.99	91.33	0.184	
119	X-4	7.816	0.683	44.7	Blue NLF	2.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.99	87.57	0.199	
120	X-5	7.816	0.683	44.7	Blue NLF	2.0	2.0	5.0	CF418	4	60	16493	0.095	60	360	5	91.44	59.99			

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To Page No. 47

Witnessed & Understood by me,

Date

Invented by

Date

Recorded by Kathy Welch

from Page No. 46

EXHIBIT E

Absorbent Product

1	A-1	78.08	94.05	-1.42	9.70	95.35	-1.38	9.93	78.37	94.78	-1.54	8.94	95.93	-1.49	9.09
2	A-2	74.98	93.88	-1.47	10.29	95.22	-1.43	10.58	77.68	94.65	-1.55	9.28	95.83	-1.50	9.48
3	A-3	78.33	94.26	-1.39	9.78	95.51	-1.35	9.99	79.28	94.93	-1.49	8.44	96.05	-1.44	8.68
4	A-4	78.27	94.14	-1.48	9.87	95.42	-1.43	9.90	78.87	94.92	-1.44	8.70	96.04	-1.39	8.84
5	A-5	78.11	94.05	-1.29	9.83	95.35	-1.25	9.86	77.39	94.56	-1.51	9.34	95.75	-1.48	9.52
6	B-1	80.22	95.82	-1.87	8.68	96.58	-1.81	8.79	82.63	95.74	-1.54	6.99	96.68	-1.48	7.00
7	B-2	80.59	95.59	-1.81	8.38	96.56	-1.75	8.44	83.02	95.98	-1.67	7.03	96.87	-1.51	7.04
8	B-3	80.89	95.89	-1.88	8.25	96.85	-1.80	8.33	82.94	95.88	-1.49	6.95	96.79	-1.43	6.96
9	B-4	80.42	95.55	-1.82	8.42	96.53	-1.86	8.51	82.59	95.95	-1.58	7.32	96.85	-1.53	7.35
10	B-5	79.48	95.27	-1.82	8.75	96.32	-1.88	8.87	82.35	95.74	-1.58	7.21	96.68	-1.53	7.23
11	C-1	81.43	95.74	-1.87	7.96	96.68	-1.80	8.01	83.59	95.99	-1.68	6.44	96.88	-1.62	6.44
12	C-2	81.57	95.88	-1.83	8.00	96.79	-1.88	8.06	84.82	96.32	-1.68	6.31	97.14	-1.80	6.29
13	C-3	80.30	95.74	-2.05	8.78	96.68	-1.98	8.88	83.18	96.12	-1.73	7.13	96.98	-1.67	7.14
14	C-4	80.72	95.81	-2.04	8.57	96.73	-1.98	8.68	84.34	96.15	-1.54	6.29	97.01	-1.49	6.27
15	C-5	80.91	95.84	-1.81	8.19	96.60	-1.85	8.27	83.65	95.99	-1.69	6.59	96.88	-1.63	6.58
16	D-1	82.69	96.15	-1.88	7.35	97.00	-1.79	7.36	86.50	96.56	-1.40	5.25	97.32	-1.25	5.19
17	D-2	81.97	95.88	-2.00	7.72	96.79	-1.93	7.77	86.76	96.80	-1.40	5.12	97.35	-1.34	5.08
18	D-3	81.83	95.88	-2.08	7.80	96.78	-2.01	7.86	86.16	96.53	-1.49	5.47	97.30	-1.43	5.43
19	D-4	83.21	96.18	-1.78	7.14	97.01	-1.72	7.15	86.79	96.55	-1.34	5.02	97.31	-1.29	4.98
20	D-5	82.29	96.07	-1.99	7.73	96.94	-1.91	7.78	86.23	96.40	-1.47	5.21	97.20	-1.42	5.18
21	E-1	78.68	93.10	-1.77	8.78	94.60	-1.73	8.98	78.79	93.55	-1.82	6.99	94.98	-1.48	7.07
22	E-2	78.07	92.94	-1.78	9.02	94.47	-1.74	9.25	77.98	93.58	-1.81	7.68	94.98	-1.78	7.79
23	E-3	78.79	93.01	-1.82	7.79	94.53	-1.68	7.93	80.38	93.81	-1.59	6.17	95.18	-1.54	6.20
24	E-4	74.71	92.53	-1.65	8.71	94.14	-1.81	8.93	77.63	93.34	-1.59	7.81	94.79	-1.54	7.72
25	E-5	75.57	92.70	-1.68	8.32	94.29	-1.62	8.50	77.44	93.24	-1.68	7.82	94.71	-1.63	7.74
26	F-1	79.09	93.29	-1.68	8.41	94.75	-1.81	8.46	81.12	93.53	-1.50	5.53	95.02	-1.45	5.34
27	F-2	78.20	93.27	-1.70	7.09	94.74	-1.85	7.17	80.39	93.70	-1.53	6.02	95.07	-1.45	6.04
28	F-3	78.92	93.40	-1.78	6.71	94.84	-1.71	6.77	80.31	93.89	-1.59	6.05	95.07	-1.55	6.08
29	F-4	79.02	93.18	-1.48	6.28	94.65	-1.45	6.33	82.01	93.83	-1.36	4.91	95.18	-1.32	4.90
30	F-5	78.68	93.33	-1.72	6.82	94.78	-1.67	6.89	81.34	93.79	-1.44	6.40	95.14	-1.40	5.41
31	G-1	82.29	93.87	-1.47	4.76	95.21	-1.43	4.76	84.35	94.37	-1.24	3.90	95.81	-1.20	3.86
32	G-2	80.72	93.84	-1.84	5.96	95.19	-1.59	5.98	83.77	94.36	-1.20	4.38	95.59	-1.28	4.33
33	G-3	81.41	93.82	-1.63	5.39	95.18	-1.49	5.39	84.09	94.30	-1.25	3.99	95.58	-1.21	3.96
34	G-4	82.68	93.89	-1.33	4.67	95.23	-1.29	4.55	85.15	94.36	-1.05	3.25	95.60	-1.02	3.21
35	G-5	78.68	93.83	-1.84	6.29	95.02	-1.60	6.34	83.61	94.25	-1.33	4.32	95.51	-1.29	4.30
36	H-1	82.58	94.23	-1.48	5.08	95.50	-1.44	5.08	85.57	94.78	-1.11	3.57	95.93	-1.07	3.52
37	H-2	82.42	94.13	-1.55	5.01	95.41	-1.50	4.99	85.01	94.81	-1.09	3.25	95.95	-1.05	3.21
38	H-3	83.38	94.28	-1.48	4.52	95.53	-1.41	4.50	85.57	94.72	-1.03	3.22	95.88	-0.99	3.18
39	H-4	82.84	94.21	-1.59	4.99	95.48	-1.54	4.98	85.14	94.67	-1.28	3.70	95.84	-1.22	3.68
40	H-5	82.68	94.20	-1.39	4.95	95.47	-1.35	4.94	86.47	94.79	-0.92	2.87	95.94	-0.88	2.82
41	I-1	79.99	92.99	-1.13	5.34	94.52	-1.10	5.36	81.14	93.17	-0.97	4.67	94.65	-0.94	4.66
42	I-2	77.28	92.05	-1.28	6.16	93.77	-1.23	6.28	79.10	92.48	-1.06	5.27	94.09	-1.05	5.29
43	I-3	76.93	91.92	-1.20	6.28	93.66	-1.17	6.34	78.61	92.04	-0.98	5.16	93.78	-0.94	5.19
44	I-4	78.14	91.50	-1.19	6.31	93.33	-1.17	6.40	77.81	91.83	-1.13	5.60	93.80	-1.11	5.65
45	I-5	78.37	91.22	-1.27	6.60	93.11	-1.25	6.61	78.92	91.68	-1.16	5.90	93.48	-1.13	5.97
46	J-1	78.67	91.98	-1.29	5.01	93.71	-1.28	5.05	81.11	92.27	-0.91	3.51	93.94	-0.88	3.49
47	J-2	78.82	91.77	-1.08	4.73	93.54	-1.08	4.78	80.49	92.14	-0.94	3.83	93.84	-0.82	3.83
48	J-3	78.78	91.78	-1.10	4.58	93.55	-1.08	4.81	80.06	92.12	-1.05	4.14	93.82	-1.03	4.14
49	J-4	78.71	91.33	-1.19	5.81	93.20	-1.16	5.88	78.82	91.93	-1.07	4.99	93.67	-1.05	5.02
50	J-5	79.27	91.88	-0.95	4.38	93.63	-0.92	4.37	80.30	92.15	-0.91	3.98	93.84	-0.89	3.96
51	K-1	77.13	91.75	-1.25	5.92	93.53	-1.25	5.98	80.83	92.18	-0.81	3.60	93.87	-0.78	3.59
52	K-2	77.80	91.88	-1.29	5.24	93.48	-1.27	5.28	79.43	92.10	-1.09	4.81	93.81	-1.08	4.83
53	K-3	80.21	92.15	-1.06	4.04	93.85	-1.03	4.04	81.45	92.41	-0.83	3.43	94.06	-0.81	3.42
54	K-4	77.02	91.93	-1.45	6.25	93.67	-1.42	6.23	80.91	92.38	-1.01	3.81	94.01	-0.99	3.80
55	K-5	78.21	91.87	-1.38	5.17	93.82	-1.35	5.20	81.40	92.47	-0.95	3.59	94.09	-0.93	3.58
56	L-1	80.67	92.29	-1.08	3.67	93.96	-1.05	3.68	84.70	92.94	-0.49	1.87	94.47	-0.47	1.85
57	L-2	81.25	92.40	-0.91	3.64	94.05	-0.89	3.62	84.27	92.94	-0.58	2.02	94.45	-0.55	1.99
58	L-3	80.84	92.51	-1.17	4.03	94.13	-1.14	4.02	84.30	92.95	-0.82	2.00	94.48	-0.80	1.97
59	L-4	81.28	92.34	-1.01	3.45	94.00	-0.98	3.44	85.08	92.81	-0.35	1.18	94.37	-0.34	1.18
60	L-5	78.48	92.14	-1.37	5.37	93.84	-1.34	5.42	83.63	92.86	-0.71	2.39	94.41	-0.69	2.36

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To Page No. 48

Witnessed & Understood by me,	Date	Invented by	Date
		Recorded by <i>Kathy Welch</i>	

From Page No. 47

EXHIBIT F

Absorbent Product

Sample No.	Location	Initial Reading	Final Reading	Delta	Initial Reading	Final Reading	Delta	Initial Reading	Final Reading	Delta	Initial Reading	Final Reading	Delta	Initial Reading	Final Reading	Delta
61	M-1	77.56	94.46	-1.39	9.04	95.67	-1.35	9.21	79.28	94.80	-1.50	8.23	95.94	-1.45	8.34	
62	M-2	74.50	93.83	-1.43	10.32	95.02	-1.38	10.62	78.60	94.78	-1.65	8.74	95.93	-1.60	8.88	
63	M-3	76.03	94.22	-1.46	9.94	95.48	-1.42	10.19	78.20	94.80	-1.60	9.08	95.94	-1.45	9.24	
64	M-4	77.65	94.41	-1.38	8.95	95.64	-1.34	9.11	79.67	95.12	-1.49	8.23	98.19	-1.44	8.33	
65	M-5	76.96	94.26	-1.45	9.25	95.51	-1.40	9.45	79.33	94.98	-1.58	8.44	98.08	-1.53	8.65	
66	N-1	80.29	95.65	-1.87	8.47	96.53	-1.81	8.57	83.08	95.98	-1.73	7.01	98.68	-1.67	7.01	
67	N-2	79.80	95.32	-1.78	8.54	96.35	-1.72	8.65	83.20	95.81	-1.68	6.67	98.74	-1.62	6.67	
68	N-3	79.78	95.50	-2.09	8.80	96.49	-2.02	8.92	83.41	96.03	-1.78	6.82	98.91	-1.71	6.83	
69	N-4	78.73	95.19	-1.82	9.17	96.25	-1.88	9.32	81.68	95.49	-1.74	7.38	98.49	-1.68	7.42	
70	N-5	79.66	95.52	-1.94	8.94	96.51	-1.87	9.08	81.87	95.47	-1.77	7.20	98.46	-1.71	7.23	
71	O-1	80.78	95.57	-1.88	8.20	96.55	-1.81	8.29	84.91	96.11	-1.60	5.81	98.97	-1.54	5.79	
72	O-2	79.94	95.45	-1.91	8.63	96.48	-1.85	8.74	83.77	95.93	-1.73	6.39	98.83	-1.67	6.37	
73	O-3	81.65	95.88	-1.86	7.89	96.78	-1.80	7.94	84.82	95.98	-1.59	5.66	98.56	-1.53	5.63	
74	O-4	80.25	95.34	-2.03	8.29	96.37	-1.97	8.38	84.11	96.02	-1.66	5.28	98.60	-1.60	5.27	
75	O-5	80.84	95.78	-1.86	8.58	96.71	-1.80	8.67	83.91	96.13	-1.79	5.82	98.99	-1.72	5.81	
76	P-1	83.63	96.41	-1.91	7.04	97.20	-1.84	7.03	86.82	96.62	-1.41	4.87	97.30	-1.35	4.81	
77	P-2	82.78	96.10	-1.93	7.41	96.97	-1.86	7.43	86.77	96.27	-1.43	4.85	97.10	-1.37	4.80	
78	P-3	83.49	96.18	-1.87	7.01	97.02	-1.80	7.01	87.12	96.47	-1.32	4.84	97.28	-1.28	4.88	
79	P-4	83.81	96.17	-1.85	6.92	97.02	-1.89	6.92	87.05	96.34	-1.32	4.84	97.15	-1.28	4.48	
80	P-5	84.81	96.40	-1.82	6.31	97.20	-1.78	6.29	87.09	96.48	-1.37	4.86	97.25	-1.32	4.80	
81	Q-1	77.55	94.82	-2.27	9.33	96.80	-2.21	9.51	81.99	95.29	-1.57	6.87	98.33	-1.60	6.89	
82	Q-2	75.77	94.16	-1.93	10.08	95.43	-1.88	10.34	79.12	94.80	-1.53	6.07	95.79	-1.77	6.17	
83	Q-3	77.10	94.38	-1.81	9.36	95.81	-1.78	9.56	79.82	94.76	-1.78	7.81	95.90	-1.72	7.89	
84	Q-4	78.16	94.12	-1.82	9.71	95.41	-1.77	9.94	78.58	94.67	-1.85	6.85	95.84	-1.80	6.78	
85	Q-5	76.43	94.20	-1.74	9.80	95.47	-1.69	9.81	78.84	94.70	-1.82	6.43	95.88	-1.77	6.58	
86	R-1	78.22	94.78	-2.14	9.01	95.91	-2.08	9.17	81.87	95.09	-2.00	6.72	98.17	-1.94	6.76	
87	R-2	78.72	94.83	-2.13	8.76	95.97	-2.06	8.89	82.34	95.36	-1.96	6.76	98.39	-1.89	6.78	
88	R-3	80.26	94.96	-1.82	7.70	96.07	-1.86	7.77	83.84	95.48	-1.74	6.88	98.48	-1.88	6.88	
89	R-4	79.69	95.12	-2.01	8.40	96.20	-1.94	8.50	82.82	95.47	-1.84	6.51	98.47	-1.78	6.51	
90	R-5	78.13	94.78	-2.13	9.07	95.91	-2.07	9.23	82.35	95.39	-1.87	6.78	98.41	-1.91	6.80	
91	S-1	81.29	95.30	-2.09	7.43	96.34	-2.02	7.48	83.55	95.36	-1.84	5.83	98.39	-1.78	5.82	
92	S-2	80.63	95.23	-2.01	7.92	96.28	-1.94	7.99	83.24	95.55	-2.01	6.38	98.54	-1.95	6.36	
93	S-3	81.39	95.43	-2.06	7.51	96.44	-2.00	7.58	84.55	95.70	-1.71	5.49	98.65	-1.65	5.48	
94	S-4	80.39	95.28	-2.17	8.08	96.31	-2.10	8.15	83.99	95.71	-1.85	5.99	98.68	-1.78	5.97	
95	S-5	78.31	94.95	-2.14	8.42	96.06	-2.07	8.63	83.80	95.45	-1.73	6.12	98.45	-1.67	6.11	
96	T-1	81.70	95.59	-2.16	7.38	96.49	-2.09	7.42	88.11	95.99	-1.50	4.76	98.85	-1.55	4.70	
97	T-2	82.38	95.51	-2.08	6.88	96.50	-1.89	6.91	88.36	96.03	-1.56	4.63	98.91	-1.50	4.68	
98	T-3	82.59	95.58	-2.05	6.88	96.56	-1.88	6.87	88.84	96.02	-1.48	4.24	98.90	-1.40	4.19	
99	T-4	83.40	95.65	-1.86	6.31	96.64	-1.89	6.30	87.30	96.28	-1.41	4.24	97.09	-1.36	4.18	
100	T-5	82.98	95.54	-2.01	6.49	96.52	-1.95	6.49	88.35	96.09	-1.58	4.73	98.95	-1.52	4.68	
101	U-1	77.99	94.00	-2.11	8.22	95.31	-2.05	8.35	79.70	94.23	-2.09	7.23	95.49	-2.04	7.29	
102	U-2	76.74	93.68	-2.28	9.50	95.06	-2.20	9.73	78.79	94.11	-2.09	7.76	95.40	-2.03	7.86	
103	U-3	78.23	93.60	-2.10	9.00	94.99	-2.05	9.20	78.18	93.85	-2.02	7.87	95.20	-1.97	7.98	
104	U-4	77.23	93.85	-2.06	8.58	95.20	-2.00	8.74	78.40	94.05	-2.09	7.95	95.35	-2.04	8.08	
105	U-5	77.87	94.02	-2.12	8.33	95.33	-2.06	8.48	81.19	94.43	-1.87	6.36	95.88	-1.82	6.38	
106	V-1	80.87	94.74	-2.10	7.01	95.90	-2.04	7.08	82.95	94.79	-1.79	5.47	95.59	-1.73	5.46	
107	V-2	80.42	94.48	-2.02	7.01	95.89	-1.96	7.06	83.21	94.82	-1.74	5.48	95.04	-1.69	5.46	
108	V-3	82.00	94.71	-1.87	6.10	95.87	-1.82	6.11	84.14	94.84	-1.55	4.81	95.97	-1.50	4.88	
109	V-4	80.44	94.72	-2.14	7.31	95.88	-2.08	7.37	82.97	94.93	-1.81	5.69	95.06	-1.75	5.67	
110	V-5	79.99	94.65	-2.09	7.59	95.83	-2.03	7.66	81.08	94.82	-1.94	5.58	95.73	-1.88	5.61	
111	W-1	83.09	95.12	-1.88	5.84	96.19	-1.82	5.83	85.07	95.28	-1.60	4.56	96.32	-1.55	4.61	
112	W-2	82.42	95.21	-2.17	6.49	96.27	-2.10	6.50	84.37	95.14	-1.71	4.92	96.21	-1.65	4.89	
113	W-3	82.79	95.19	-2.08	6.17	96.25	-2.02	6.17	85.13	95.17	-1.82	4.38	96.24	-1.46	4.33	
114	W-4	82.78	95.14	-2.07	6.09	96.21	-2.00	6.09	84.58	95.35	-1.77	5.06	96.37	-1.71	5.02	
115	W-5	79.90	94.78	-2.20	7.84	95.93	-2.14	7.92	83.78	95.14	-1.65	5.35	96.21	-1.59	5.32	
116	X-1	83.70	95.41	-2.03	5.81	96.42	-1.98	5.79	88.63	95.45	-1.42	3.63	96.45	-1.36	3.68	
117	X-2	85.08	95.60	-1.82	5.03	96.57	-1.76	4.99	86.74	95.51	-1.40	3.63	96.50	-1.35	3.68	
118	X-3	85.30	95.64	-1.85	4.93	96.60	-1.81	4.88	87.48	95.48	-1.32	3.00	96.48	-1.27	2.95	
119	X-4	85.20	95.53	-1.88	4.85	96.52	-1.82	4.82	87.55	95.55	-1.38	3.07	96.53	-1.28	3.01	
120	X-5	85.65	95.68	-1.94	4.70	96.62	-1.87	4.65	87.89	95.61	-1.36	2.89	96.58	-1.30	2.83	

BEST AVAILABLE COPY

To Page No. 49

Witnessed & Understood by me,

Date

Invented by

Date

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om Page No. 48

EXHIBIT G

Kaw

Kaw

Absorbent Product

1	A-1	78.07	94.85	-1.75	9.25	95.89	-1.69	9.42	79.59	95.22	-1.55	8.58	96.28	-1.50	8.69
2	A-2	77.82	94.82	-1.70	9.29	95.80	-1.65	9.47	78.39	94.99	-1.57	9.20	96.10	-1.52	9.38
3	A-3	79.48	94.97	-1.60	8.29	96.08	-1.55	8.40	79.09	95.00	-1.58	8.84	96.10	-1.53	8.78
4	A-4	79.48	95.05	-1.61	8.47	96.14	-1.56	8.58	78.54	95.12	-1.79	9.25	96.19	-1.73	9.41
5	A-5	77.74	94.78	-1.58	9.35	95.93	-1.53	9.53	78.16	95.00	-1.84	9.38	96.10	-1.59	9.53
6	B-1	83.82	95.98	-1.61	6.43	96.87	-1.58	6.42	83.10	96.90	-1.60	6.80	96.80	-1.55	6.81
7	B-2	83.21	95.96	-1.79	6.88	96.85	-1.72	6.88	83.51	96.01	-1.69	6.71	96.89	-1.62	6.71
8	B-3	84.10	96.06	-1.88	6.32	96.92	-1.82	6.30	82.57	96.03	-1.81	7.45	96.91	-1.75	7.48
9	B-4	83.37	95.92	-1.87	6.72	96.82	-1.81	6.72	82.98	95.89	-1.85	6.97	96.80	-1.78	6.98
10	B-5	83.51	96.07	-1.68	6.78	96.94	-1.60	6.78	83.13	96.11	-1.72	7.13	96.97	-1.65	7.16
11	C-1	84.33	95.82	-1.58	5.48	96.51	-1.82	5.45	86.40	96.53	-1.83	5.28	97.30	-1.54	5.23
12	C-2	85.13	96.20	-1.75	6.76	97.06	-1.68	6.72	85.88	96.56	-1.85	5.89	97.32	-1.80	5.85
13	C-3	84.85	96.21	-1.72	6.14	97.05	-1.68	6.12	84.04	96.21	-1.85	6.66	97.05	-1.60	6.58
14	C-4	84.67	96.25	-1.74	6.17	97.08	-1.67	6.14	84.74	96.32	-1.80	6.28	97.14	-1.73	6.28
15	C-5	84.97	96.02	-1.81	5.85	96.90	-1.58	5.81	85.44	96.43	-1.81	5.84	97.22	-1.65	5.80
16	D-1	87.80	96.50	-1.38	4.35	97.28	-1.31	4.29	88.63	96.78	-1.28	3.89	97.47	-1.21	3.82
17	D-2	88.82	96.86	-1.58	5.14	97.40	-1.52	5.08	88.25	96.88	-1.38	4.34	97.56	-1.33	4.27
18	D-3	88.88	96.85	-1.60	5.11	97.39	-1.54	5.05	87.21	96.45	-1.54	4.80	97.23	-1.48	4.84
19	D-4	87.58	96.56	-1.35	4.41	97.32	-1.29	4.35	88.18	96.49	-1.34	3.91	97.28	-1.29	3.85
20	D-5	88.78	96.40	-1.84	4.84	97.20	-1.48	4.79	87.10	96.58	-1.48	4.77	97.33	-1.40	4.71
21	E-1	81.48	94.05	-1.48	6.82	95.35	-1.41	6.83	82.10	94.04	-1.34	5.12	94.38	-1.30	5.11
22	E-2	79.90	93.70	-1.68	6.38	95.08	-1.81	6.40	79.74	93.74	-1.82	6.63	95.11	-1.58	6.68
23	E-3	81.88	93.78	-1.24	4.93	95.14	-1.20	4.92	82.38	93.81	-1.18	4.88	95.18	-1.12	4.88
24	E-4	78.78	93.41	-1.62	6.84	94.85	-1.48	6.91	78.55	93.33	-1.55	6.87	94.78	-1.50	6.95
25	E-5	78.28	93.23	-1.70	6.94	94.70	-1.68	7.03	79.33	93.45	-1.58	6.44	94.88	-1.53	6.49
26	F-1	82.40	93.78	-1.38	4.85	95.13	-1.31	4.83	83.78	93.78	-1.14	3.49	95.14	-1.11	3.48
27	F-2	81.22	93.67	-1.51	5.34	95.05	-1.47	5.35	82.17	93.75	-1.33	4.89	95.12	-1.29	4.87
28	F-3	82.20	93.68	-1.38	4.88	95.22	-1.32	4.88	82.86	93.94	-1.34	4.80	95.27	-1.30	4.88
29	F-4	83.42	93.53	-1.09	3.83	95.17	-1.05	3.80	83.73	93.87	-1.08	3.88	95.21	-1.05	3.82
30	F-5	81.97	93.82	-1.28	4.82	95.01	-1.24	4.81	82.50	93.73	-1.22	4.42	95.10	-1.18	4.40
31	G-1	88.10	94.33	-0.88	2.50	95.58	-0.85	2.48	88.47	94.48	-0.83	2.38	96.87	-0.80	2.34
32	G-2	88.20	94.40	-0.82	2.44	95.63	-0.88	2.41	88.43	94.53	-0.88	2.49	95.73	-0.85	2.44
33	G-3	88.87	94.44	-0.83	2.74	95.88	-0.89	2.70	88.43	94.47	-0.94	2.45	95.89	-0.91	2.41
34	G-4	88.28	94.30	-0.84	2.29	95.66	-0.81	2.25	88.61	94.52	-0.88	2.37	95.72	-0.85	2.33
35	G-5	88.25	94.27	-1.08	3.02	95.53	-1.04	2.98	88.54	94.52	-0.88	2.42	95.72	-0.84	2.38
36	H-1	87.79	94.73	-0.47	1.69	95.89	-0.45	1.65	88.50	95.18	-0.86	1.80	96.23	-0.83	1.78
37	H-2	88.04	94.92	-0.49	1.77	96.04	-0.47	1.73	88.11	95.12	-0.82	2.04	96.20	-0.79	2.00
38	H-3	87.83	94.78	-0.61	1.87	95.93	-0.49	1.83	88.31	95.11	-0.73	1.87	96.18	-0.70	1.83
39	H-4	87.82	94.82	-0.49	1.73	95.98	-0.48	1.69	88.77	96.08	-0.81	1.44	96.14	-0.69	1.40
40	H-5	88.22	94.93	-0.42	1.83	96.04	-0.40	1.89	88.97	96.18	-0.54	1.41	96.22	-0.52	1.37
41	I-1	82.82	93.28	-0.69	3.51	94.76	-0.67	3.49	81.48	92.89	-0.88	4.02	94.44	-0.85	4.01
42	I-2	81.58	92.88	-0.73	3.66	94.27	-0.71	3.84	80.80	92.43	-0.91	4.11	94.11	-0.88	4.10
43	I-3	81.11	92.28	-0.67	3.46	93.95	-0.64	3.44	79.77	92.31	-0.98	4.55	93.98	-0.85	4.56
44	I-4	80.97	92.19	-0.84	3.45	93.88	-0.82	3.44	79.44	92.00	-0.97	4.40	93.73	-0.94	4.42
45	I-5	80.22	91.96	-0.65	3.72	93.70	-0.83	3.72	79.12	91.78	-0.87	4.29	93.58	-0.85	4.30
46	J-1	82.83	92.25	-0.39	2.07	93.93	-0.38	2.06	81.90	92.27	-0.79	2.87	93.94	-0.78	2.85
47	J-2	83.05	92.29	-0.35	1.97	93.98	-0.33	1.94	80.85	92.02	-0.83	3.47	93.74	-0.80	3.48
48	J-3	81.57	92.03	-0.55	2.74	93.75	-0.53	2.72	81.88	92.27	-0.85	3.07	93.94	-0.83	3.05
49	J-4	81.82	92.03	-0.47	2.47	93.75	-0.45	2.45	80.89	92.08	-0.77	3.53	93.79	-0.74	3.53
50	J-5	83.07	92.25	-0.28	1.87	93.93	-0.25	1.85	81.10	92.20	-0.78	3.40	93.88	-0.74	3.39
51	K-1	83.74	92.44	-0.27	1.84	94.08	-0.28	1.81	83.78	92.55	-0.45	1.81	94.17	-0.43	1.78
52	K-2	82.44	92.24	-0.51	2.38	93.92	-0.50	2.35	81.71	92.29	-0.72	2.99	93.91	-0.70	2.97
53	K-3	83.55	92.25	-0.28	1.50	93.92	-0.27	1.47	84.48	92.88	-0.43	1.71	94.41	-0.41	1.69
54	K-4	83.82	92.46	-0.29	1.49	94.08	-0.28	1.47	84.02	92.82	-0.65	2.02	94.38	-0.63	1.99
55	K-5	84.43	92.53	-0.18	1.21	94.15	-0.17	1.19	84.83	92.85	-0.43	1.41	94.40	-0.42	1.39
56	L-1	88.72	93.06	0.09	0.18	94.57	0.09	0.18	87.21	93.57	-0.27	0.71	95.05	-0.26	0.69
57	L-2	88.84	93.12	0.09	0.18	94.82	0.09	0.18	87.86	93.45	0.01	-0.16	94.58	0.02	-0.16
58	L-3	88.93	93.20	0.06	0.28	94.68	0.08	0.28	87.73	93.44	0.06	-0.07	94.57	0.06	-0.07
59	L-4	88.94	93.04	0.12	0.01	94.55	0.13	0.01	87.44	93.48	-0.03	0.22	94.91	-0.02	0.22
60	L-5	88.91	92.97	-0.12	0.71	94.50	-0.11	0.70	87.15	93.54	-0.12	0.52	94.94	-0.11	0.51

Kaw

Kaw

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To Page No. 50

Witnessed & Understood by me,

Date

Invented by

Date

Recorded by

Kathy Welch

Absorbent Product

From Page No. 49

EXHIBIT H

61	M-1	79.41	95.19	-1.69	8.67	98.25	-1.64	8.78	78.62	95.08	-1.43	8.35	98.17	-1.38	8.45
62	M-2	79.77	95.33	-1.69	8.57	98.38	-1.64	8.67	80.43	95.35	-1.45	8.11	98.37	-1.40	8.20
63	M-3	80.84	95.48	-1.62	8.15	98.48	-1.56	8.23	78.70	95.05	-1.57	8.00	98.14	-1.52	9.15
64	M-4	80.36	95.28	-1.77	8.05	98.32	-1.71	8.13	80.95	95.41	-1.44	7.79	98.43	-1.39	7.85
65	M-5	80.46	95.45	-1.54	8.22	98.48	-1.48	8.31	80.11	95.11	-1.40	8.01	98.19	-1.35	8.09
66	N-1	84.23	96.17	-1.92	8.43	97.02	-1.85	8.42	84.57	96.07	-1.85	6.00	96.94	-1.59	5.98
67	N-2	84.81	96.27	-1.70	8.01	97.10	-1.84	6.98	84.20	96.21	-1.79	6.50	97.06	-1.72	8.48
68	N-3	84.07	96.18	-1.77	6.50	97.01	-1.70	6.49	84.25	96.18	-1.69	6.40	97.03	-1.63	6.38
69	N-4	82.03	95.74	-2.08	7.51	96.68	-2.01	7.55	83.06	95.72	-1.75	6.69	96.67	-1.69	6.70
70	N-5	83.44	95.01	-1.83	6.79	96.89	-1.77	6.79	82.77	95.80	-1.70	7.03	96.73	-1.64	7.04
71	Q-1	87.72	96.65	-1.28	4.45	97.39	-1.23	4.38	86.56	96.48	-1.53	6.10	97.28	-1.47	5.05
72	Q-2	85.38	96.14	-1.73	5.54	97.00	-1.67	5.60	85.45	96.06	-1.63	6.38	96.95	-1.57	5.34
73	Q-3	85.80	96.33	-1.77	5.47	97.15	-1.71	5.42	86.83	96.44	-1.49	4.82	97.23	-1.43	4.78
74	Q-4	84.85	95.98	-1.66	5.65	96.88	-1.60	5.61	85.29	96.36	-1.54	5.90	97.19	-1.48	5.87
75	Q-5	85.40	96.34	-1.62	5.78	97.15	-1.57	5.72	85.27	96.34	-1.73	5.88	97.16	-1.68	5.84
76	P-1	88.82	96.69	-1.27	3.68	97.43	-1.22	3.61	89.23	96.75	-1.24	3.48	97.47	-1.19	3.41
77	P-2	88.13	96.56	-1.39	4.00	97.32	-1.34	3.93	89.03	96.82	-1.21	3.70	97.53	-1.16	3.63
78	P-3	88.28	96.39	-1.24	3.66	97.19	-1.19	3.59	89.22	96.84	-1.10	3.58	97.64	-1.05	3.51
79	P-4	88.43	96.98	-1.34	4.38	97.84	-1.29	4.29	88.50	96.68	-1.25	3.91	97.42	-1.20	3.84
80	P-5	88.48	96.78	-1.40	4.08	97.48	-1.34	4.01	88.56	96.70	-1.28	3.67	97.43	-1.23	3.60
81	Q-1	83.32	95.59	-1.71	6.30	96.57	-1.68	6.29	84.18	95.37	-1.73	5.38	96.39	-1.67	5.33
82	Q-2	79.81	94.90	-1.89	8.18	96.02	-1.83	8.26	80.00	94.94	-1.78	7.94	96.06	-1.72	8.03
83	Q-3	80.82	95.06	-1.92	7.58	96.14	-1.88	7.64	80.15	94.91	-1.88	7.78	96.02	-1.82	7.84
84	Q-4	81.25	94.89	-1.54	7.00	96.09	-1.49	7.04	79.40	94.87	-1.82	8.29	95.00	-1.88	8.40
85	Q-5	81.82	95.06	-1.62	8.50	96.18	-1.47	8.63	79.47	94.87	-1.84	8.23	95.00	-1.82	8.33
86	R-1	83.94	95.48	-1.60	5.68	96.48	-1.56	5.64	82.48	95.40	-1.79	6.68	96.41	-1.73	6.70
87	R-2	84.05	95.53	-1.56	5.71	96.53	-1.51	5.69	83.00	95.56	-1.90	6.53	96.54	-1.84	6.53

% Consistency Results - Pulp Feed

Absorbent Products Pilot Line - Trial # 81

Operator: Kathy

Date: ~~REDACTED~~

PF-11	10.28	11.07	92.88	9.47	10.21	92.75	8.48	9.12	92.78	92.79	92.55
PF-11	10.35	11.24	92.08	9.69	10.48	92.48	9.20	9.98	92.37	92.30	
PF - 21	10.52	11.40	92.28	9.07	9.81	92.48	9.33	10.09	92.47	92.40	92.34
PF - 21	11.67	12.65	92.25	9.48	10.24	92.38	10.19	11.05	92.22	92.28	
PF - 31	10.25	11.11	92.25	9.34	10.13	92.20	9.34	10.11	92.38	92.28	91.70
PF - 31	9.91	10.88	91.08	10.34	11.35	91.10	9.70	10.64	91.17	91.12	
PF-41	9.71	10.58	91.95	9.47	10.30	91.94	9.79	10.63	92.10	92.00	92.42
PF-41	8.19	8.84	92.85	8.57	9.24	92.75	8.02	8.81	93.15	92.85	
PF - 51 (Day 1)	9.84	10.87	92.22	8.81	9.55	92.25	9.20	9.98	92.37	92.28	92.40
PF - 51 (Day 1)	9.50	10.27	92.50	10.02	10.83	92.52	9.20	9.84	92.58	92.53	
PF - 51 (Day 2)	9.48	10.42	90.79	8.89	9.79	90.81	8.91	9.81	90.83	90.81	91.21
PF - 51 (Day 2)	9.43	10.30	91.55	9.89	10.80	91.65	8.90	9.71	91.68	91.62	
PF - 61	9.02	9.84	91.67	9.00	9.80	91.84	8.81	9.59	91.87	91.79	91.31
PF - 61	8.86	9.78	90.78	8.58	9.45	90.79	9.32	10.25	90.83	90.83	
PF - 71	9.68	10.64	90.68	9.23	10.15	90.94	9.64	10.63	90.69	90.87	91.19
PF - 71	10.23	11.20	91.34	9.05	9.88	91.80	9.59	10.47	91.80	91.51	
PF - 81	8.62	9.43	91.41	8.91	9.74	91.48	9.99	10.80	91.65	91.51	91.44
PF - 81	9.23	10.10	91.39	9.14	9.99	91.48	9.67	10.60	91.23	91.37	
PF - 91	9.68	10.62	91.15	8.99	9.84	91.38	8.78	9.81	91.36	91.29	91.78
PF - 91	10.14	10.99	92.27	9.32	10.08	92.48	9.89	10.74	92.09	92.27	

Witness

Recorded by _____

l = lead
t = tail

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